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**UVLED**

5mm – 192 UV LEDs

**UVLED1**

1W – 48 UV LEDs

**LED STROBE**

5mm – 192 White LEDs

## User's instruction manual



This manual contains important information about the safe installation and use of this product. Please read this instruction manual carefully before installing or operating  
Please keep these instructions in a safe place for future reference



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Please note that as part of our ongoing commitment to continuous improvement and product development, the specifications in this manual are subject to change without notice. Whilst every care has been taken in the preparation of this manual we reserve the right to change specifications in the course of product improvement.

## INTRODUCTION

Congratulations on the purchase of your LED product by Lightemotion  
We are confident that you will be satisfied with your purchase.  
We have prepared this manual to assist you with the care and operation of this item.

The lighting effect can be operated in following modes

- Audio activated
- Strobing mode
- Automatic mode
- Stand-alone
- Master/Slave
- DMX

## UNPACKING

**CAUTION:** Do not use sharp objects whilst unpacking this product

Contents of the carton

- 1pc lighting effect
- 1pc Yoke (Hanging adaptor)
- 2pcs Thumbwheels
- 2pcs Rubber washers
- 1pc IEC power lead

Please note: Some of the items above may be fitted to the product by the manufacturer

# FEATURES

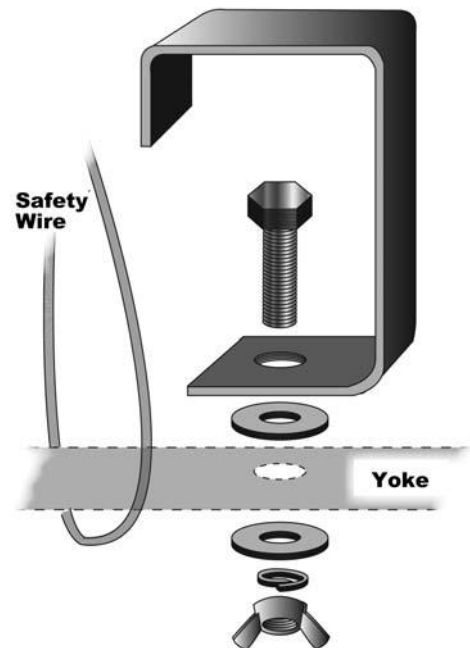
- Automatic mode
- Strobing mode
- Audio Activated with sensitivity control
- Master/Slave linkable
- DMX-512 controllable 3 channels

# INSTALLATION

## CAUTION:

For safe mounting read the following instructions carefully:

- Use suitable hook clamps\* for hanging the lighting effect
- Use a safety wire\* with a breaking strain of more than double the lighting effect
- Do not look directly into the light source
- Make sure the lighting effect has suitable ventilation as per the instructions below
- This lighting effect is intended for indoor use only
- To avoid electrical shock keep away from rain and moisture
- Keep unit out of reach from children



## NOTE:

Use washers\* and spring washers\* when attaching your hook clamp\* to the yoke

1. For installation of the hook clamps\* and safety wire\* please refer to Fig 3.
2. This lighting effect must be 0.5m away from any flammable materials or any walls or ceilings.
3. Do not block or inhibit the air flow from the ventilation vents

Lightemotion have various hook clamps\* and safety wires\* suitable for your lighting effect. Please contact your local dealer for more information

\*Not included

# MAINTENANCE & PERIODIC CHECKS

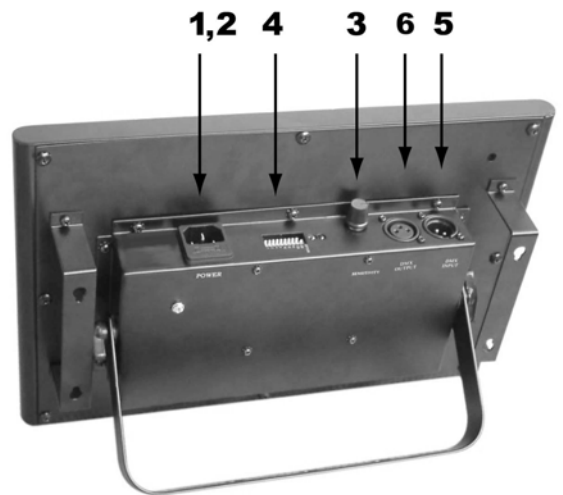
## CAUTION:

Some maintenance and checks may require the product to be opened and should only be done by qualified persons. Warranty may be void if damage has been caused by improper maintenance

- Perspex lenses should be wiped with a clean moist cloth to remove dust and residue

# CONNECTIONS AND CONTROLS

1. Power input
2. Fuse Holder
3. Sound sensitivity pot
4. Dip switches
5. DMX input socket
6. DMX output socket



## POWER

**CAUTION:** This lighting effect is designed to operate at 240V.

Power Consumption UVLED: 55W

Power Consumption UVLED1: 12W

Power Consumption LEDSTROBE: 12W

## FUSE

### CAUTION:

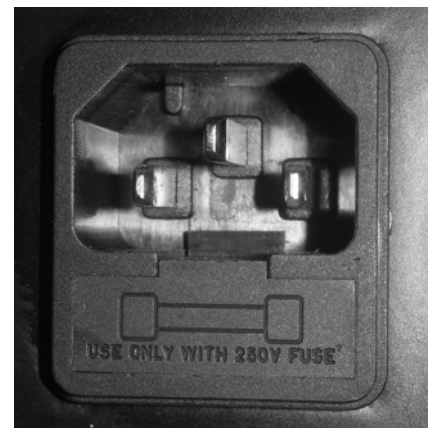
Only use the correct fuse as specified on the rear panel of the lighting effect. Disconnect the lighting effect from the mains before attempting to replace the fuse

### NOTE:

This lighting effect has a position for a spare fuse located in the fuse holder toward the outside of the fixture

To replace the fuse please follow the following steps

1. Remove the fuse holder with a screw driver (Refer to fig 4.)
  2. Remove existing fuse
  3. Fit new fuse
  4. Refit the fuse holder
- Fuse: M205 2A fast**



# DIP SWITCHES

The DIP switches allow the user to change the mode and operation of the lighting effect by setting the switches to different combinations.

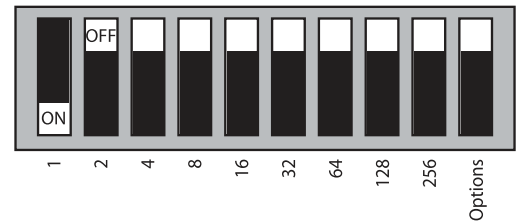
## DMX

To determine the starting address for the each lighting effect you should refer to your DMX controller user manual.

## CALCULATING THE STARTING ADDRESS

To calculate the starting address you add the value of all the switches which are 'ON' and that value is the address that is required.

(Refer to Fig 6)



# STAND-ALONE

## NOTE:

There are multiple stand-alone settings available. Refer to the table below for more details

## SETTINGS

Effect	1	2	3	4	5	6	7	8	9	10
Sound	0	0	0	0	0	0	0	0	0	0
Auto	0	0	0	0	0	0	0	0	0	1
Strobe	Strobe speed								0	0
All on	0	0	0	0	0	0	0	0	1	0

## FOR SOUND ACTIVE PROGRAMS

1. Turn the Sound sensitivity pot (refer to fig 4.) anticlockwise to '0'
2. Turn up your music to the volume which will be used throughout the show
3. Then turn the sound sensitivity pot clockwise till the lighting effect moves to the sound of the beat

# MASTER/SLAVE MODE

## CONNECTIONS

To connect multiple units in Master/Slave mode you need to connect a 3 pin DMX lead (Refer to Fig 7) from the DMX output socket of the master to the DMX input socket of the slave, then from the DMX output socket of the first slave to the DMX input socket of second slave and so on and so forth. (Refer to Fig 10.)

## SETTINGS

You then need to set the unit to Master/Slave mode by following these steps

1. Set the first unit to sound or auto mode as per the Stand-Alone instructions
2. Set the rest of the units to DMX address 1 (refer to DMX mode)



# DMX MODE

## NOTE:

To determine the address required you should refer to your DMX controller's manual

Do not forget to use a DMX terminator at the final output in the chain

Do not forget to turn off the 'Blackout' on your controller

## CONNECTION

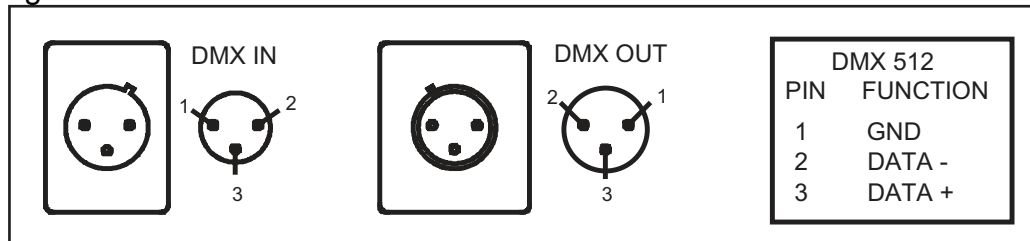
To connect the lighting effect in DMX mode you need to use a 3 pin DMX lead (Refer to Fig 7) from the DMX output socket of the controller to the DMX input socket of the first unit, then from the DMX output socket of the first unit to the DMX input socket of second unit and so on and so forth. (Refer to Fig 10)

## SETTINGS

You then need to set each unit's DIP switches to the addresses required (REFER to DIP switches section)

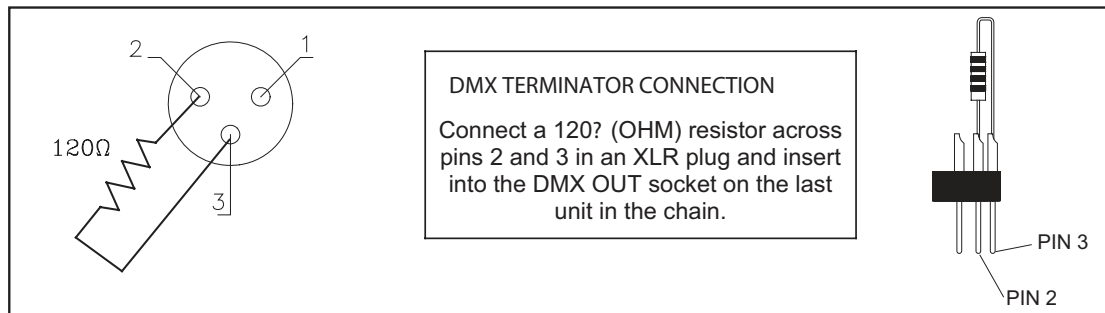
# DMX LEAD

The DMX lead is used to link up multiple units. For Wiring connections refer to fig 7.



# DMX TERMINATOR

A DMX terminator helps to reduce 'noise' on the DMX chain, and makes the light respond to control more accurately. It should be plugged in to the last fixture in any chain. For Terminator connections refer to fig 8



# DMX CHANNEL INFORMATION

The lighting effects use 3 DMX channels as per table 11

Table 11 DMX CHANNEL INFORMATION

Value	Channel 1	Channel 2	Channel 3
000 – 029	Dimmer mode	Flash Speed	Intensity
025 – 049	Auto 1	Speed	
050 - 074	Auto 2		
075 - 099	Auto 3		
100 - 124	Auto 4		
125 - 149	Auto 5		
150 - 174	Auto 6		
250 - 255	Sound mode	No effect	

# FREQUENT ANSWERED QUESTIONS

Symptom	Fault
Unit does not power up	Check that the power outlet is turned on and fuse is intact
Unit powers up but no light appears	Check that the mode is set correctly and that you are controlling the unit correctly
Unit chases constantly and not to the beat of the music	Check that the microphone sensitivity is not turned up too high and that the mode is set correctly
Units do not work or is uncontrollable when linked or in DMX mode	Check that the mode is set correctly, check that all the leads are OK, check that the controller is set to pin 3 positive (If linking, the lead should come out of the Master/Slave output socket) (If using DMX, the lead should come out of the DMX output socket)

# SPECIFICATIONS

Voltage:	240V AC
Power Consumption:	UVLED 12W, UVLED : 55W LEDSTROBE: 12W
Operating Frequency:	50Hz
Power lead:	Fixed
Fuse:	M205 2A fast blow
Sound activated:	Yes with sound sensitivity control
Stand alone mode	Yes
DMX:	3 channels Ch1: Dimmer , sound active and auto modes Ch2: Flash speed and auto speed Ch3: Dimmer
Linkable	Yes
Effects / Control:	Dip switches
Colour:	UV
Output power / level:	UVLED and LEDSTROBE : 192 5mmLEDs UVLED1: 48 1W LEDs
Input connection:	Power: Male IEC DMX: Male 3 pin XLR
Output connection:	DMX: Female 3 pin XLR
Rated lamp life:	50 000 Hrs
Beam angle:	UVLEDn and LEDstrobe: 20 degrees UVLED1: 28 degrees
Hanging Bracket	Yes
Colour:	Black
Weight:	UVLED and LEDStrobe : 2.2Kg UVLED1: 3.1Kg
Dimensions:	UVLED and LEDStrobe: 356 x 248 x 165mm UVLED1 : 368x241x84mm

